

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Karvel K. Thornber, et al.

Examiner: Unassigned

Serial No: Unassigned

Art Unit: Unassigned

Filed: Herewith

Docket: 14919Z

For: CAST SHADOWS AND
LINEAR SUBSPACES

Dated: February 28, 2002



Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. M.E. Rose, "Elementary Theory of Angular Momentum", ISBN 0471 73524 8
pp. 228-235, 1957;

2. Hideki Hayakawa, Photometric Stereo Under a Light Source With Arbitrary
Motion", *Journal of Optical Society of America*, Vol. 11, No. 11, pp. 3079-3089,
November 1994;

CERTIFICATE OF MAILING BY EXPRESS MAIL

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Date of Deposit: February 28, 2002

I hereby certify that this correspondence is being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 C.F.R. '1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Dated: February 28, 2002

A handwritten signature in cursive script that reads "Gina Johnston".
Gina Johnston

3. Peter W. Hallinan, "A Low-Dimensional Representation of Human Faces For Arbitrary Lighting Conditions", *IEEE Conference on Computer Vision and Pattern Recognition*, pp. 995-998, (1994);
4. Jan J. Koenderink and Andrea J. Van Doorn, "The Generic Bilinear Calibration-Estimation Problem", *International Journal of Computer Vision* Vol. 23, No.3, pp. 217-234, (1997);
5. Amnon Shashua, "On Photometric Issues in 3D Visual Recognition from a Single 2D Image", *International Journal of Computer Vision* , Vol. 21, No. 1-2, pp. 99-122, (1997);
6. Peter N. Belhumeur and David J. Kriegman, "What is the set of Images of an Object Under All Possible Illumination Conditions", *International Journal of Computer Vision*, Vol. No. 28, No. 3, pp. 245-260, (1998);
7. M.S. Langer, "When Shadows Become Interreflections", *International Journal of Computer Vision*, Vol. 34, No.2-3, pp. 193-204 (1999);
8. Ronen Basri and David Jacobs, "Lambertian Reflectance and Linear Subspaces", *IEEE Conference on Computer Vision,II*, pp. 383-390, 2001;
9. R. Ramamoorthi and P. Hanrahan, "On The Relationship Between Radiance and Irradiance: Determining The Illumination from Images of a Convex Lambertian Object", *Journal of Optical Society of America*, Vol. 18, No. 10, pp. 2448-2458, 2001;
10. K.K. Thornber and D.W. Jacobs, "Broadened, Specular Reflection and Linear Subspaces", NEC Research Institute, Inc., Technical Report #2001-033.

Applicants are submitting a copy of the above-cited references.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,



Paul J. Esatto, Jr.
Registration No.: 30,749

Scully, Scott, Murphy & Presser
400 Garden City Plaza
Garden City, New York 11530
(516) 742-4343
PJE:DJT:gmj

Form PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAtty. Docket No.
15207Serial No.
Unassigned**LIST OF PRIOR ART
CITED BY APPLICANT**Applicant
Karvel K. Thornber, et al.Filing Date
HerewithGroup
Unassigned

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK							
	AL							
	AM							
	AN							
	AO							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	7. M.S. Langer, "When Shadows Become Interreflections", <i>International Journal of Computer Vision</i> , Vol. 34, No.2-3, pp. 193-204 (1999);
	AR	8. Ronen Basri and David Jacobs, "Lambertian Reflectance and Linear Subspaces", <i>IEEE Conference on Computer Vision, II</i> , pp. 383-390, 2001;
	AS	9. R. Ramamoorthi and P. Hanrahan, "On The Relationship Between Radiance and Irradiance: Determining The Illumination from Images of a Convex Lambertian Object", <i>Journal of Optical Society of America</i> , Vol. 18, No. 10, pp. 2448-2458, 2001;
	AT	10. K.K. Thornber and D.W. Jacobs, "Broadened, Specular Reflection and Linear Subspaces", NEC Research Institute, Inc., Technical Report #2001-033.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.